



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Samuel Gary Jr & Associates Inc

12-11s-22w Trego

1515 Wynkoop
Ste 700
Denver Co 80202
ATTN: Dan Pritchard

Walz Family Trust 1-12

Job Ticket: 54369 **DST#: 2**

Test Start: 2013.11.09 @ 19:40:08

GENERAL INFORMATION:

Formation: **LKC F-G**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 21:17:03
 Time Test Ended: 03:12:02
 Interval: **3522.00 ft (KB) To 3566.00 ft (KB) (TVD)**
 Total Depth: 3566.00 ft (KB) (TVD)
 Hole Diameter: 7.85 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Ray Schwager
 Unit No: 70
 Reference Elevations: 2169.00 ft (KB)
 2161.00 ft (CF)
 KB to GR/CF: 8.00 ft

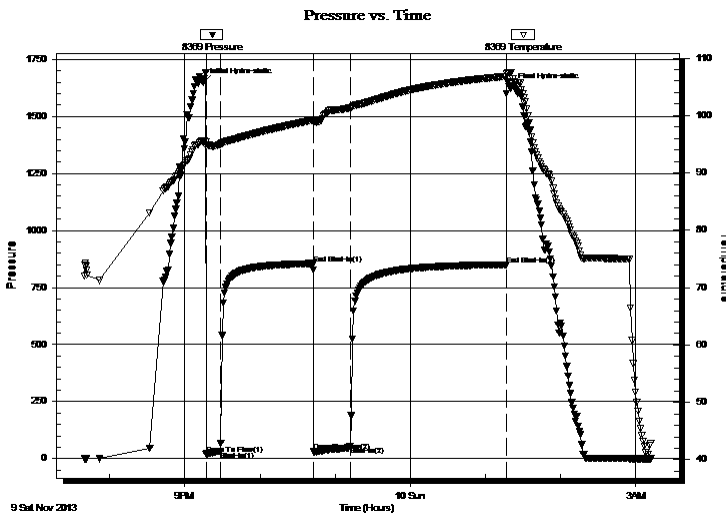
Serial #: 8369

Inside

Press @ Run Depth: 54.76 psig @ 3530.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.11.09 End Date: 2013.11.10 Last Calib.: 2013.11.10
 Start Time: 19:40:08 End Time: 03:12:02 Time On Btm: 2013.11.09 @ 21:14:48
 Time Off Btm: 2013.11.10 @ 01:20:17

TEST COMMENT: 10-IFP-w k bl 1/2"bl
 75-ISIP-no bl
 30-FFP-w k bl surface to 1/4"bl
 120-FSIP-no bl

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1650.07	95.54	Initial Hydro-static
3	19.05	94.54	Open To Flow (1)
14	32.26	94.96	Shut-In(1)
88	855.27	99.21	End Shut-In(1)
89	30.99	98.95	Open To Flow (2)
117	54.76	101.31	Shut-In(2)
242	850.83	106.82	End Shut-In(2)
246	1626.93	107.51	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
55.00	MW 40%M60%W w /show of oil	0.77

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

* Recovery from multiple tests



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FLUID SUMMARY

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Test Start: 2013.11.09 @ 19:40:08

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	50000 ppm
Viscosity: 51.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.74 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 3000.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
55.00	MW 40%M60%W w/show of oil	0.772

Total Length: 55.00 ft Total Volume: 0.772 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments: Sampler Data: 800ML mud 1200ML water trace of oil

PSI: 280#
RW .17 @ 60F

Serial #: 8369

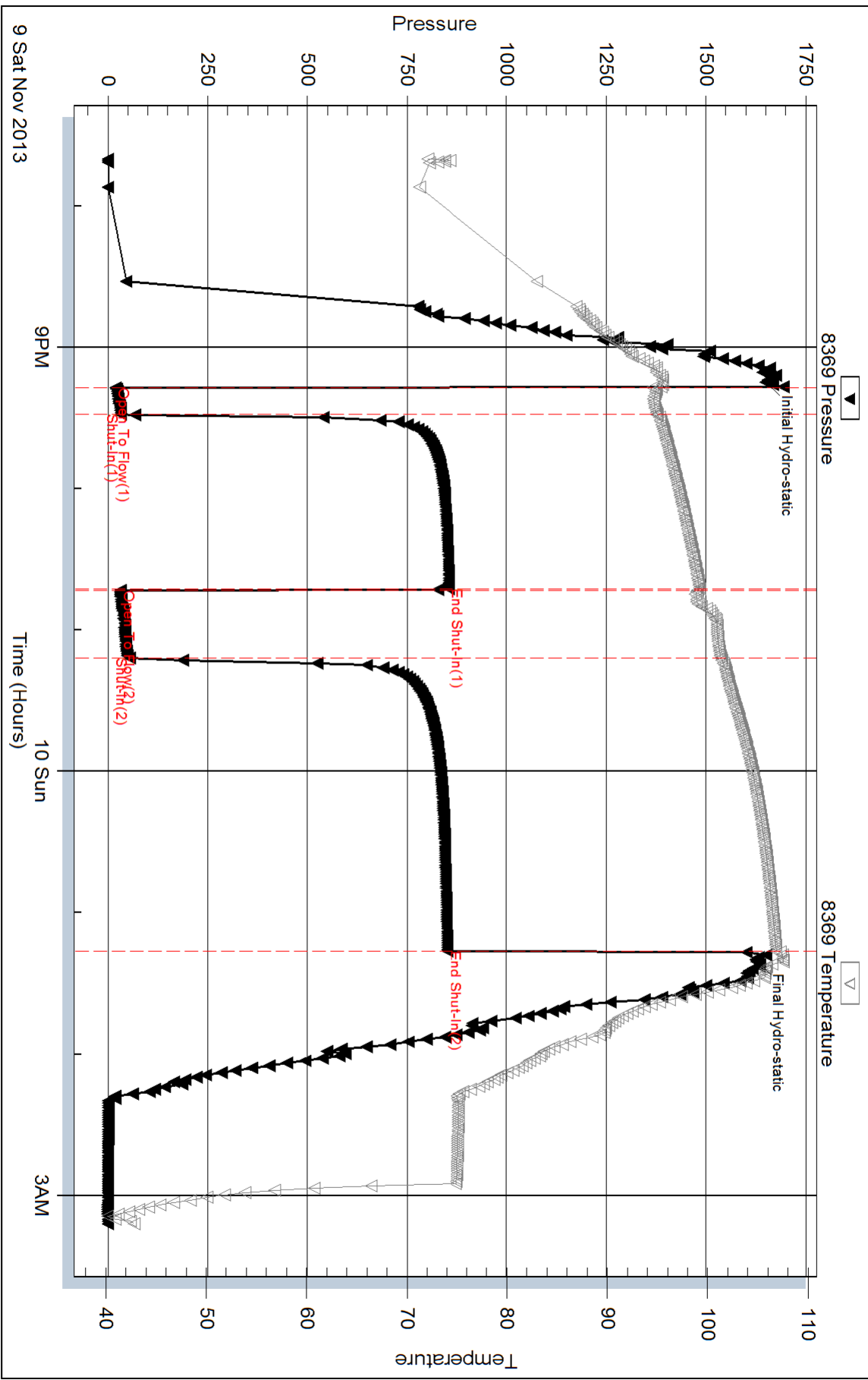
Inside

Samuel Gary Jr & Associates Inc

Walz Family Trust1 - 12

DST Test Number: 2

Pressure vs. Time



Triobite Testing, Inc

Ref. No: 54369

Printed: 2013.11.10 @ 23:13:09

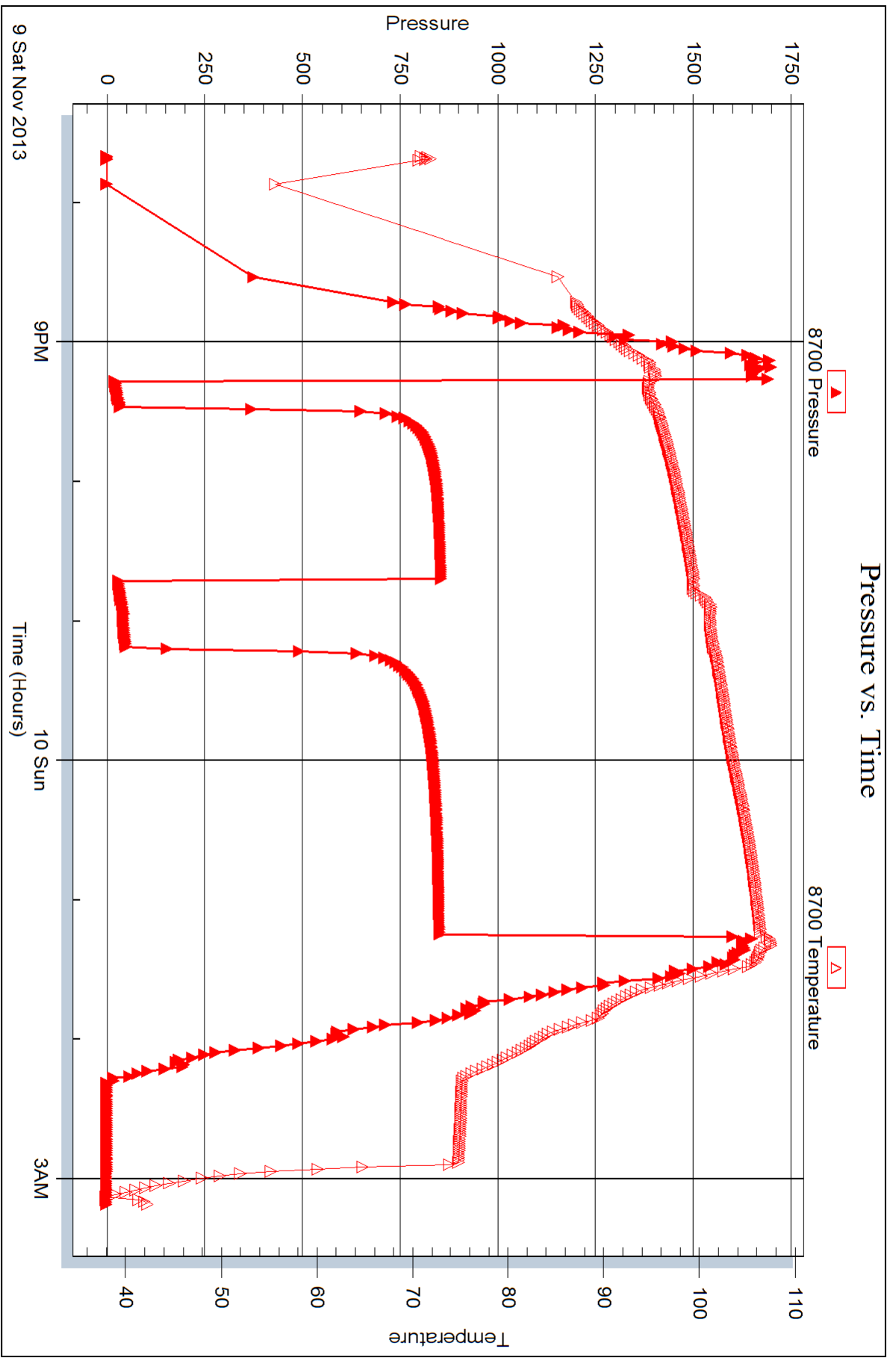
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Outside

Samuel Gary Jr & Associates Inc

Walz Family Trust1 - 12

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 54369

Printed: 2013.11.10 @ 23:13:09

Serial #: 8374

Fluid

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Walz Family Trust1 - 12

DST Test Number: 2

